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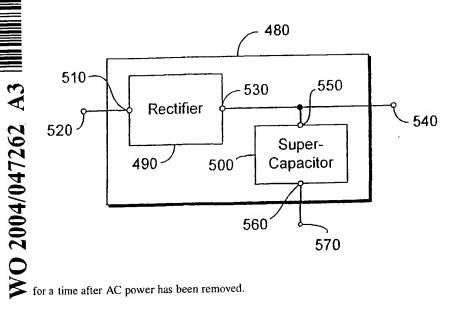
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(54) Title: RECTIFIER-SUPER CAPACITOR DEVICE FOR USE IN A POWER SYSTEM FOR A TELECOMMUNICATION **FACILITY**



(57) Abstract: The present invention is a device (480) that includes a rectifier (490) and a super capacitor (500) packaged together in a single housing. The device has a first connection point (520) that is coupled to the rectifier input. The output of the rectifier is coupled to a first side of the capacitor and to a second connection point (540) of the device. The second side of the capacitor is coupled to ground through a third connection point (570). The device is operable to receive AC power and provide DC power. Moreover, through the operation of the super capacitor, the device will provide DC power

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H02J9/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 HO2J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the rel	Relevant to claim No.		
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X Furti	her documents are listed in the continuation of box C.	X Patent family members are listed	in annex.	
"A" docume consid "E" earlier of filling of which citatio "O" docume other "P" docume	ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another no rother special reason (as specified) ent referring to an oral disclosure, use, exhibition or means ent published prior to the international filing date but than the priority date claimed	 "T" later document published after the international filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 		
	actual completion of the international search 1 April 2004	Date of mailing of the international sea	arch report	
	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Authorized officer Gentili, L		

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